Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/26/2019 10:41 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125215	0	1.12	125290	1.11
Blue	F	SSC	125000	126061	0	1.62	126825	1.61
Blue	E	FITC	16122	15769	-3	2.65	343	19.51
Blue	D	PE	29316	28968	-2	1.78	631	14.15
Blue	B	PerCP-Cy5-5	42590	42501	-1	3.48	1143	19.73
Blue	A	PE-Cy7	33146	33058	-1	5.87	632	38.83
Red	C	APC	45473	44832	-2	2.45	1581	12.08
Red	A	APC-Cy7	31961	31119	-3	2.38	827	11.96
Violet	B	V450	7914	7429	-7	4.99	414	13.51
Violet	A	V500	29769	28097	-6	4.80	652	10.74

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21362	2.76	604	4	N/A	N/A	Pass
Blue	F	SSC	57259	1.12	550	12	N/A	N/A	Pass
Blue	E	FITC	63	63.54	538	1	0.0219	181	Pass
Blue	D	PE	131	49.42	540	3	0.1897	322	Pass
Blue	B	PerCP-Cy5-5	209	49.06	642	4	0.0097	75	Pass
Blue	A	PE-Cy7	117	98.84	695	4	0.0122	25	Pass
Red	C	APC	375	25.42	587	8	0.0249	172	Pass
Red	A	APC-Cy7	182	29.07	563	7	0.0056	1157	Pass
Violet	B	V450	63	61.96	466	6	0.0542	2365	Pass
Violet	A	V500	97	34.55	478	6	0.0240	924	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.35	-32.12	0.95
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.51
Red	15.65	13.60 - 20.40	N/A	N/A	29.66	30.05	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10018

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments